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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Joshua S. Salafsky and Kenneth B. Eisenthal  
U.S. Serial No.: 09/731,366 Group Art Unit: 1645  
Filed : December 6, 2000  
For : ATTACHMENT OF SECOND HARMONIC-ACTIVE MOIETY  
TO MOLECULES FOR DETECTION OF MOLECULES AT  
INTERFACES

1185 Avenue of the Americas  
New York, New York 10035  
July 10, 2001

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. § 1.56, applicants would like to direct the Examiner's attention to the following publications which are listed on the attached Form PTO-1449 (**Exhibit 1**) and attached hereto as **Exhibits 2-7**:

1. Campagnola, P.J. et al. High-Resolution Nonlinear Optical Imaging of Live Cells by Second Harmonic Generation. *Biophysical Journal* (1999) 77: 3341-3349 (**Exhibit 2**);
2. Eisenthal, K.B. Photochemistry and photophysics of liquid interfaces by second harmonic spectroscopy. *J. Phys. Chem.* (1996) 100: 12997-13006 (**Exhibit 3**);
3. Peleg, G., et al. Nonlinear optical measurement of membrane potential around single molecules at selected cellular sites. *Proc. Natl. Acad. Sci.* (1999) 96: 6700-6704 (**Exhibit 4**);
4. Salafsky, J.S and Eisenthal, K.B. Protein Adsorption at Interfaces Detected by Second Harmonic Generation. *J. Phys.*

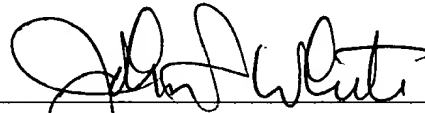
*Chem. B* (2000) **104**: 7752-7755 (Exhibit 5);

5. Salafsky, J.S. and Eisenthal, J.B. Second harmonic spectroscopy: detection and orientation of molecules at a biomembrane interface. *Chemical Physical Letters* (2000) **319**: 435-439 (Exhibit 6); and
6. Srivastava, A. and Eisenthal, K.B. Kinetics of molecular transport across a liposome bilayer. *Chemical Physical Letters* (1998) **292**: 345-351 (Exhibit 7).

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

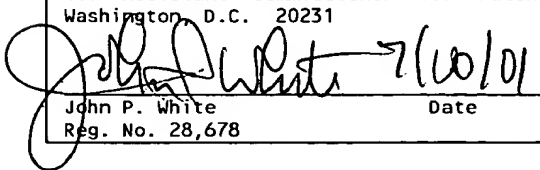
Applicants are submitting this Information Disclosure Statement under 37 C.F.R. §1.97(b)(3) before the mailing of a first Office Action on the merits. Accordingly, no fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if a fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents Washington, D.C. 20231



John P. White  
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Date 7/10/01